

Abstract

A damper unit for an air circulation system. The damper unit includes a frame defining an air flow opening, a damper vane for opening and closing the air flow opening, and a drive mechanism for turning the damper vane between the open and closed positions. The vane of the damper unit includes a main body and vane turning surfaces that project outwardly from the main body. The vane turning surfaces are configured for converting air flow into torque for assisting the drive mechanism in turning the damper vane between the open and closed positions.

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